=> file caplus
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FILE COVERS 1907 - 6 Jan 2005 VOL 142 ISS 2
FILE LAST UPDATED: 5 Jan 2005 (20050105/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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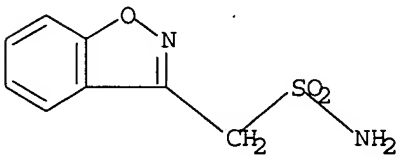
L1 STR



Structure attributes must be viewed using STN Express query preparation.
L3 18 SEA FILE=REGISTRY SSS FUL L1
L4 327 SEA FILE=CAPLUS L3
L5 4 SEA FILE=CAPLUS L4 AND DICHLOROETHANE

=> d l5 1-4 ibib abs hitstr

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:716302 CAPLUS
DOCUMENT NUMBER: 141:248702
TITLE: Method for preparing 1,2-**dichloroethane**-free zonisamide crystals
INVENTOR(S): Ueno, Ryoichi; Kimura, Yasujiro
PATENT ASSIGNEE(S): Dainippon Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

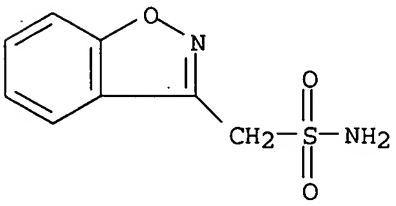
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004244410	A2	20040902	JP 2003-285878	20030804
PRIORITY APPLN. INFO.:			JP 2003-13587 A	20030122

AB The title method for the preparation of crystals of zonisamide containing ≤

5 ppm residual 1,2-**dichloroethane** (I) comprises adding aqueous C2 - C4 alc. (e.g., isopropanol + water) to zonisamide crystals which contain > 5 ppm residual I, removing I from this mixture by azeotropic distillation, collecting the zonisamide crystals from the residual mixture Thus, zonisamide containing < 1 ppm I was obtained by the title method. Zonisamide is a known antiepileptic.

IT **68291-97-4P**, Zonisamide
RL: PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(method for preparing 1,2-**dichloroethane**-free zonisamide crystals with azeotropic distillation, followed by crystallization)

RN 68291-97-4 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonamide (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:569889 CAPLUS
DOCUMENT NUMBER: 141:106458
TITLE: Azeotropic distillation process for the preparation of 1,2-**dichloroethane**-free crystals of zonisamide
INVENTOR(S): Ueno, Yoshikazu; Kimura, Yasujiro
PATENT ASSIGNEE(S): Japan
SOURCE: U.S. Pat. Appl. Publ., 5 pp., Cont. of U.S. Ser. No. 462,595, abandoned.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004138474	A1	20040715	US 2003-733566	20031212
WO 2004063174	A1	20040729	WO 2003-JP9530	20030728

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

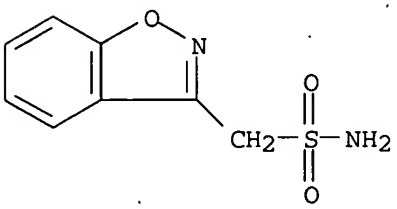
PRIORITY APPLN. INFO.: US 2003-340601 B1 20030113
US 2003-462595 B1 20030617

AB A process for the preparation of crystals of zonisamide containing residual 1,2-**dichloroethane** of ≤5 ppm comprises adding an aqueous C2-4 alc. (e.g., aqueous 2-propanol) to crystals of zonisamide containing residual 1,2-**dichloroethane** of >5 ppm, removing the 1,2-**dichloroethane**

by azeotropic distillation, followed by collecting the precipitated crystals from the
residual mixture

IT **68291-97-4P**, Zonisamide
RL: PEP (Physical, engineering or chemical process); PUR (Purification or recovery); PYP (Physical process); PREP (Preparation); PROC (Process)
(azeotropic distillation process for the preparation of 1,2-**dichloroethane**-free crystals of zonisamide)

RN 68291-97-4 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonamide (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:569888 CAPLUS
DOCUMENT NUMBER: 141:106457
TITLE: Azeotropic distillation process for the preparation of 1,2-**dichloroethane**-free crystals of zonisamide
INVENTOR(S): Ueno, Yoshikazu; Kimura, Yasujiro
PATENT ASSIGNEE(S): Japan
SOURCE: U.S. Pat. Appl. Publ., 5 pp., Cont.-in-part of U.S. Ser. No. 462,726, abandoned.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

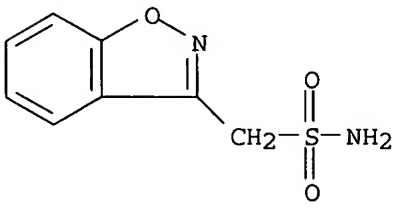
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004138473	A1	20040715	US 2003-733565	20031212
WO 2004063174	A1	20040729	WO 2003-JP9530	20030728

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

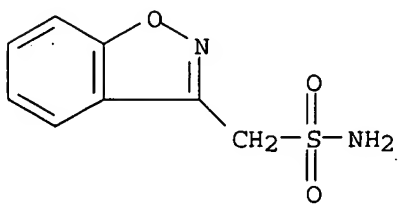
PRIORITY APPLN. INFO.: US 2003-340601 B3 20030113
US 2003-462726 B1 20030617

AB A process for the preparation of crystals of zonisamide containing residual 1,2-**dichloroethane** of ≤5 ppm comprises adding an aqueous C2-4 alc. (e.g., aqueous 2-propanol) to crystals of zonisamide containing residual 1,2-**dichloroethane** of >5 ppm, removing the 1,2-**dichloroethane** by azeotropic distillation, followed by collecting the precipitated crystals from the residual mixture

IT **68291-97-4P**, Zonisamide
RL: PEP (Physical, engineering or chemical process); PUR (Purification or recovery); PYP (Physical process); PREP (Preparation); PROC (Process)
(azeotropic distillation process for the preparation of 1,2-**dichloroethane**-free crystals of zonisamide)
RN 68291-97-4 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonamide (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:55206 CAPLUS
DOCUMENT NUMBER: 114:55206
TITLE: Determination of zonisamide (3-sulfamoylmethyl-1,2-benzisoxazole) in plasma at therapeutic concentrations by high-performance liquid chromatography
AUTHOR(S): Berry, D. J.
CORPORATE SOURCE: Poisons Unit, London, SE14 5ER, UK
SOURCE: Journal of Chromatography (1990), 534, 173-81
CODEN: JOCRAM; ISSN: 0021-9673
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A selective and sensitive HPLC method for the determination of the antiepileptic drug zonisamide in small (0.1 mL) human blood plasma samples is described. After adding the internal standard 3-sulfamoylmethyl-6-fluoro-1,2-benzisoxazole, a direct **dichloroethane** extract of the sample is analyzed on a reversed-phase column with UV spectrophotometric detection. The method is rapid, simple, and capable of determining plasma levels after therapeutic ingestion of zonisamide. Some results from a dose-ranging clin. trial are presented.
IT **68291-97-4**, 1,2-Benzisoxazole-3-methanesulfonamide
RL: ANT (Analyte); ANST (Analytical study)
(determination of, in blood plasma of human, by HPLC)
RN 68291-97-4 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonamide (9CI) (CA INDEX NAME)



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